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**7/23/2007**

County of San Diego  
Department of Planning and Land Use  
5201 Ruffin Road, Suite B  
San Diego, CA 92123

**Ramona Municipal Water District-Fire Services**  
**105 Earlham Street**  
**Ramona, CA 92065-1599**

**SUBJECT: FIRE PROTECTION PLAN – LETTER REPORT**

**Kruse Minor Subdivision**  
**TPM 21031**  
**APN 283-011-11**

This Fire Protection Plan (FPP) – Letter Report is being submitted as an evaluation, pursuant to Article 86 of the California Fire Code, of the adverse environmental effects that a proposed project may have from wildland fire and mitigation of those impacts to ensure that the above referenced project does not unnecessarily expose people or structures to a significant risk of loss, injury or death involving wildland fires.

### **PROJECT DESCRIPTION**

***The project proposes a Tentative Parcel Map to split Assessor Parcel Number 283-011-11 into two discrete parcels. The two parcels will have sizes of 2.21 and 2.47 gross acres. The site contains an existing single-family residence that will be retained.***

### **ENVIRONMENTAL SETTING**

- 1) Location: ***The project is located within an area of rural residential development. The site is bordered to the north, east, and south by estate style residences. The land to the southwest is undeveloped live oak chaparral. The northern portion of the property contains live oak chaparral habitat. The existing residence is located within the southern portion of the property.***

- 2) Topography: ***The site is located in an area of rolling hills. The slopes average 19 to 25% with a primary aspect of zero degrees from the north.***
- 3) Flammable Vegetation: ***The vegetation onsite consists of live oak chaparral in the northern portion of the site. The southern portion of the site contains an existing residence and associated landscaping.***
- 4) Climate: ***The project site is located within the transitional climate zone. It is located in area that receives an average of 18 inches of rainfall annually. (Climates of San Diego County, Agricultural Relationships, University of California, Agricultural Extension Service, and U.S. Weather Bureau.) This climate zone typically receives rain between October and March followed by hot, dry summers.***

## **PROJECT EXPOSURE TO WILDLAND FIRES**

### **1. Water Supply**

***The project is located within the Ramona Municipal Water District. A water system evaluation letter from the Ramona Municipal Water District dated April 5, 2005 is attached. The client will enter into an agreement with the Water District to provide a water pipeline to the site.***

#### **Fire Hydrants:**

***One fire hydrant is proposed at the lot line between the two proposed parcels. The fire hydrant shall meet the requirements of the Ramona Fire Protection District and shall have drip caps and blue-dot markers, capable of supplying 1500 gallons per minute with 2500 gallons per minute in the main.***

### **2. Fire Access Roads**

#### **Location:**

***Access will be provided by a private driveway connecting to Highland Valley Road, a public road.***

#### **Width:**

***The private driveway serving the property is currently 16 feet in width. The project will improve the existing private driveway to an 18 foot graded width with 16 foot finished in asphaltic concrete as***

***required in the attached Fire Letter.***

**Fire Truck Turnarounds:**

***The project will provide a hammerhead turnaround located in the southwestern corner of the land division. The proposed turnaround shall be constructed to the satisfaction of the Ramona Fire Department and the Department of Public Works.***

**Grade:**

***The maximum allowed grade is 15% on the proposed private road. The existing private road has grades ranging from 8% to 9.3%.***

***The proposed driveway does not propose grades greater than 10%.***

**Surface:**

***The proposed driveway shall be paved with Asphaltic concrete.***

**Addresses:**

***An address sign shall be located at the corner of the proposed driveway and Highland Valley Road. The sign shall list all addresses occurring on the easement and the numbers shall contrast with the background. The minimum size of the numbers shall be 4" in height with a minimum stroke of 3/8".***

**3. Building Construction:**

**All structures shall comply with the ignition resistive construction requirements of the County Building Code.**

**4. Fire Protection Systems:**

**All habitable structures and attached garages shall have residential fire sprinklers per County Consolidated Fire Code requirements.**

**5. Defensible Space:**

**A minimum 100 foot Fuel Management Zone will be established and maintained around all structures over 250 square feet in size. The existing residence shall maintain existing fuel management zone requirements.**

6. Vegetation Management:

**Prescribed Defensible Open Space will be maintained on at least an annual basis or more often as needed by the property owners. Planting used will be from an approved fire resistance planting materials list that is maintained by County of San Diego.**

7. Fire Behavior Computer Modeling:

**Computer Fire Behavior Model is not required for this project per the County of San Diego Fire Marshal.**

<u>Robin Church</u>	<u>7/23/07</u>	<u>Robin Church</u>	<u>Principal</u>
Prepared By (Signature)	Date	Printed Name	Title

<u>Robert L. Kruse</u>	<u>7/26/07</u>	<u>Robert L. Kruse</u>
Property Owner (Signature)	Date	Printed Name



## RAMONA MUNICIPAL WATER DISTRICT

ENGINEERING  
105 EARLHAM STREET  
RAMONA, CA 92065-1599

TELEPHONE: 760-789-1330  
FACSIMILE: 760-788-2202

TIMOTHY N. STANTON  
DISTRICT ENGINEER

April 5, 2005

J.O. 10515

To: Mr. Robert Kruse  
18729 Highland Valley Road.  
Ramona, CA 92065  
*760 789-1834*  
Re: Water System Evaluation

Dear Mr. Kruse,

The Ramona Municipal Water District (RMWD) has completed its system evaluation of the impacts of new service to parcel 283-011-11 to RMWD water facilities. The evaluations have made the following determination.

Ramona Municipal Water District:

1. Pay for the construction of the facilities identified in Alternative 1 (currently estimated at \$172,000). In lieu of constructing the facilities in Alternative 1, the developer may pay for or execute a lien contract for the pro-rata share of \$19,913 per EDU per parcel for the pro-rata share of the ultimate facilities.
2. Provide a 20-foot easement to RMWD along the western property line.
3. Provide proof of private easement for any private water laterals.
4. Either pay or execute a lien contract for \$4,900 for additional storage requirements.
5. Execute required agreements, applications, and pay appropriate fees and deposits as specified in the legislative code in effect at the time of application for service.

The studies are considered to be valid for two years unless conditions have changed at the time of the request for services.

If you have any questions please call 760-788-2260.

Sincerely,

*Phillip Dauben*  
Phillip Dauben, PE  
Civil Engineer

**FILE COPY**



**RAMONA MUNICIPAL WATER DISTRICT**  
In cooperation with the  
**CALIFORNIA DEPARTMENT OF FORESTRY**  
**And FIRE PROTECTION**

105 Earlham Street  
Ramona, California 92065-1599

Telephone:  
760-788-2244

**RAMONA FIRE PREVENTION BUREAU**

**June 7<sup>th</sup>, 2006**

**ERB Engineering**  
**12320 Stowe Drive, Ste. E**  
**Poway, CA 92064**

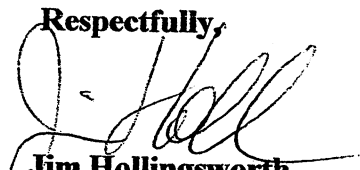
**RE : Robert Kruse property, APN # 283-011-11**

**Dear sirs,**

**I have reviewed your request to approve a sixteen foot (16 ft.) wide driveway to the new subdivision and concur that it will be sufficient for the requirements of the Fire Code. The final driveway will thus be : 18 foot graded width with 16 foot finished in either asphalt or concrete. Any gates that restrict access to fire apparatus will be required to be equipped with a Knox Key access system. Grade shall not exceed 15%.**

**If you should have any questions or concerns please feel free to contact me at 760-788-2244.**

**Respectfully,**

  
**Jim Hollingsworth**  
**Fire Marshal**  
**Ramona Fire Dept.**



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**RAMONA FIRE PREVENTION BUREAU**

County of San Diego  
Department of Planning Land Use  
5201 Ruffin Rd., Suite B  
San Diego, CA 92123-1666

July 31, 2007.

Attn: Terry Powers  
Project Processing

Ref: TPM 21031 APN 283-011-11  
Ramona Fire Department  
**Fire Protection Plan - Accepted**

We have reviewed subject short-form Fire Protection Plan (FPP) dated July 23, 2007, prepared by RC Biological Consulting, Inc. for consistency with the California Code of Regulations Title 24 (CCR T-24), Part 9, Article 86.

The FPP is generally satisfactory and in compliance with the requirements of CCR T-24, Part 9, Article 86 and this agencies specific project requirements. It is acceptable to the Ramona Fire Department.

  
Calvin McVay-Fire Marshal  
Ramona Fire Department/Cal-Fire

c: Paul Dawson-FM DPLU  
file 28301111